

REMARKS

Claims 1-3 are all the claims pending in the application. By this amendment, claim 1 is amended solely for the purposes of improved clarity and precision, and not for purposes of narrowing. Applicant respectfully requests withdrawal of the rejection and allowance of the claims in view of the foregoing amendments and following Remarks.

I. Claims 1-3 are in proper condition

Claims 1-3 stand rejected due to alleged indefiniteness under 35 U.S.C. § 112, 2nd paragraph. As shown in the foregoing amendment, claim 1 has been amended to overcome this rejection. For support in the specification, Applicant directs the Examiner to page 8, lines 19-22 of the specification. Further, Applicant respectfully submits that claims 2 and 3, which appear to have been rejected under 35 U.S.C. § 112, 2nd paragraph due to their dependency on claim 1, are allowable for at least the same reasons as claim 1. Thus, Applicant respectfully requests withdrawal of the rejection, and allowance of claims 1-3.

II. Claims 1-3 would not have been obvious

Claims 1-3 stand rejected as being allegedly obvious under the judicially-created doctrine of obviousness type double patenting over claims 1-6 of U.S. Patent No. 6,037,694 in view of Hiroshima et al. (U.S. Patent No. 5,174,013, hereafter "Hiroshima") with respect to claim 1, Hiroshima and Harris et al. (U.S. Patent No. 5,539,265) with respect to claim 1, and Hiroshima and Harris et al. (U.S. Patent No. 5,892,313) with respect to claim 3.

Applicant respectfully submits that the attached Terminal Disclaimer, submitted in accordance with 37 C.F.R. § 1.321(c), removes U.S. Patent No. 6,037,694 as a reference for the

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obviousness-type double patenting rejection, and thus overcomes the rejection of claims 1-3.
Thus, Applicant respectfully requests withdrawal of the rejection and allowance of the claims.

III. Conclusion

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

Applicant hereby petitions for any extension of time which may be required to maintain the pendency of this case, and any required fee, except for the Issue Fee, for such extension is to be charged to Deposit Account No. 19-4880.

Respectfully submitted,



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APPENDIX
VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

1. (Six times Amended) A rotor for an automotive alternator comprising:

a pair of field cores each having a cylindrical base portion and a plurality of claw-shaped magnetic poles projecting from outer circumferential edges of said base portions, said field cores are secured to a rotating shaft facing each other wherein end surfaces of said base portions are in close contact with each other and said claw-shaped magnetic poles intermesh with each other;

a cylindrical bobbin having a cylindrical portion and a pair of first and second annular flange portions projecting perpendicularly from both ends of said cylindrical portion, said bobbin being fitted over said base portions of said pair of field cores;

a field winding wound a predetermined number of turns into multiple layers on said cylindrical portion of said bobbin of said rotor; and

a recessed groove formed in an inner surface of said first annular flange portion from an outer circumferential end of said first annular flange portion to an inner circumferential end thereof,

wherein said field winding has a flat rectangular shape in which a pair of opposite flat surfaces are parallel,

said field winding is wound onto said cylindrical portion of said bobbin wherein said pair of opposite flat surfaces face [the inner circumferential side and the outer circumferential side, respectively]each other, relative to a radial direction of said cylindrical portion,

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said bobbin is formed to have a field winding mounting portion in which a radial length thereof is shorter than an axial length thereof, and

a starting portion of said field winding is housed in said recessed groove so as to make said opposite flat surfaces square with an axis of said bobbin.